

# PATENT ABSTRACTS OF JAPAN

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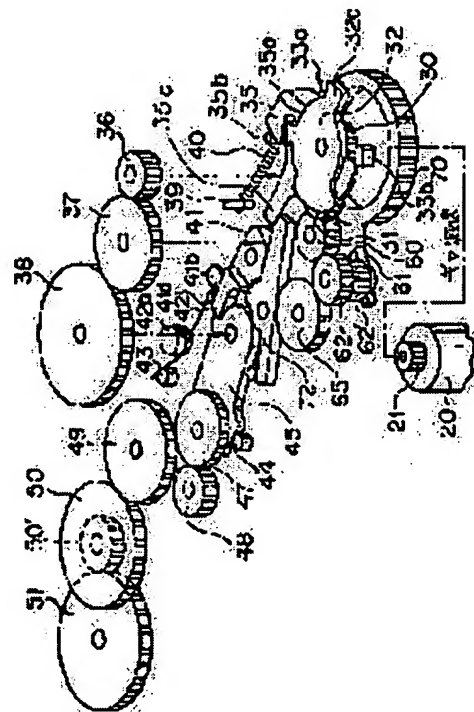
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## (54) GEAR COUPLING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a gear coupling device that has a structure for driving a plurality of driven parts and a simple constitution, allows miniaturization of equipment, and consumes less power.

**SOLUTION:** The gear coupling device has a sun gear 30 and a planet gear 31 rotated by a motor 20 as a driving source, and the sun gear 30 and the planet gear 31 are supported by a turnable first arm 32 having a projecting parts 32b and 32c. The projecting parts are locked or released by the turning operation of a first stopper 35 disposed in the outside part of the first arm 32 to control a turning position of the first arm 32, and a plurality of driven side gears 36 and 60 fitted to the planet gear 31 are switched. The turning position of the first stopper 35 is controlled by shape variation by a conduction or non-conduction state of a lever driving body 40 made of shape memory alloy.



## LEGAL STATUS

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